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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/015,848	12/10/2001	Adrian W. Payne	GB 010002	7605

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PHILIPS INTELLECTUAL PROPERTY & STANDARDS  
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BRIARCLIFF MANOR, NY 10510

EXAMINER

PERILLA, JASON M

ART UNIT PAPER NUMBER

2638

DATE MAILED: 01/17/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

10/015,848

Applicant(s)

PAYNE ET AL.

Examiner

Jason M. Perilla

Art Unit

2638

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 02 December 2005.
- 2a) ☐ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☒ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1,2,6-11,13,14 and 16-18 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☐ Claim(s) \_\_\_\_\_ is/are rejected.
- 7) ☒ Claim(s) 1,2,6-11,13,14 and 16-18 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 06 July 2005 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some \* c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

### **DETAILED ACTION**

1. Claims 1, 2, 6-11, 13, 14, and 16-18 are pending in the instant application.

#### ***Claim Objections***

2. Claims 1, 2, 6-11, 13, 14, and 16-18 are objected to because of the following informalities:

Regarding claim 1, in line 4, "the current demodulated bit" is lacking antecedent basis, in line 8, "the selected threshold value" should be replaced by --the selected threshold level--, and, in line 9, "a selected value" should be replaced by --the selected value--. Further, one is unable to determine if the intermittently integrating of line 11 further limits the intermittently integrating step of line 6 or if it is a subsequent exclusive step.

Regarding claim 6, in line 2, the additional oversampling step conflicts with the oversampling of parent claim 1, in line 2, "the samples" is lacking antecedent basis, and, in line 2, one is unable to determine how the additional integrating step coincides with the integrating step of the parent claim.

Regarding claim 8, the claim is objected to because it fails to further limit parent claim 7. That is, the subtracting step in the claim is already performed in claim 7, and one is unable to determine how the additional subtraction should limit the parent claim.

Regarding claim 9, in line 2, "adjusting the responsiveness" should be replaced by --adjusting a responsiveness--.

Regarding claim 10, in line 4, "current and (n-1)" should be replaced by --current (n) and (n-1)--, in lines 6-7, "the selected preset default value to produce a dc offset"

Art Unit: 2638

should be replaced by –the selected preset default threshold value to produce a current dc offset–, in line 9, “to remove the effects” should be replaced by –to remove an effect–, in lines 9-10, “a demodulated signal” should be replaced by –the demodulated signal–, and, in line 11, “the responsiveness” should be replaced by –a responsiveness–.

Regarding claim 11, in line 2, “a selected threshold” should be replaced by –the selected threshold–.

Regarding claim 13, in line 8, “a demodulated bit stream” should be replaced by –the demodulated bit stream–, in line 9, “of the order of” should be replaced by –on the order of–, and, in line 11, “the demodulated signal” is lacking antecedent basis.

Regarding claim 14, in line 2, “a demodulated bit signal” should be replaced by –the demodulated bit signal–, and, in line 4, “bit rate periods” should be replaced by –bit periods— and “the result” should be replaced by –a result–.

Regarding claim 16, one is unable to determine if the further means for oversampling is additional to the means for oversampling of the parent claim.

Regarding claim 17, one is unable to determine if the further means for selecting is additional to the selecting means of the parent claim.

Appropriate correction is required.

### ***Allowable Subject Matter***

3. The indication of allowable subject matter is made with respect to claims 1, 2, 6-11, 13, 14, and 16-18.

### ***Conclusion***

4. This application is in condition for allowance except for the following formal matters:

The claim objections above.


Prosecution on the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

A shortened statutory period for reply to this action is set to expire **TWO MONTHS** from the mailing date of this letter.

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jason M. Perilla whose telephone number is (571) 272-3055. The examiner can normally be reached on M-F 8-5 EST. The Applicant is requested to contact the Examiner before the issue of the reply to this office action to discuss allowable subject matter in this case.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kenneth Vanderpuye can be reached on (571) 272-3078. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

  
Jason M. Perilla  
January 11, 2006

jmp

  
**KENNETH VANDERPUYE**  
**SUPERVISORY PATENT EXAMINER**